CLAIMS

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- 1. A process for enhancing the melt strength of polypropylene comprising the steps of:
 - -mixing the polypropylene with at least 0.1-8 wt.% of an oligomer of maleimide or a derivative thereof, based on the amount of polypropylene, completely or substantially in the absence of peroxide;
 - -reacting said polypropylene and oligomer of maleimide or a derivative thereof at a temperature between 150° C and 300° C.
- 2. The process according to claim 1 wherein the oligomer of maleimide or a derivative thereof is prepared *in situ* by mixing the polypropylene with maleimide monomer or a derivative thereof and a base.
- 3. The process according to claim 1 wherein the maleimide derivative oligomer is derived from biscitraconic acid.
- 4. The process according to claim 2 wherein the maleimide derivative is derived from biscitraconic acid and the base is 1,4-diazabicyclo[2,2,2]octane.
- 5. A composition, which is completely or substantially free from peroxide,
 20 comprising polypropylene and based on the amount of polypropylene, 0.1-8
 wt.% of an oligomer of maleimide or a derivative thereof, or a mixture of 0.1-8
 wt.% of a monomer of maleimide or a derivative thereof and a base.
- 6. The composition of claim 5 wherein the maleimide derivative is derived from biscitraconic acid and the base is selected from 1,4-diazabicyclo[2,2,2]octane, 3-qunuclidinol, 1,8-diazabicyclo[5,4,0]undecene, 4-(dimethylamino)pyridine, 2-ethyl-4-methylimidazole, and mixtures thereof.

- 7. A completely or substantially peroxide free polypropylene obtainable form the composition of claim 5 or 6 with enhanced melt strength, which is at least 1.5 times higher that the melt strength of the corresponding non-modified polypropylene.
- 8. Use of the composition of claim 5 or 6 or of the polypropylene of claim 7 for making a foam, fiber, or sheet.

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